



INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known	
Application Number	10/652,622
Filing Date	08/29/2003
First Named Inventor	NI <i>et al.</i>
Group Art Unit	1635
Examiner Name	Schnizer, Richard A.

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	C1	US 3,622,559	11/23/1971	Wiles <i>et al.</i>			
	C2	US 3,946,110	03/23/1976	Hill			
	C3	US 4,016,351	04/15/1977	Eschinasi			
	C4	US 4,497,838	02/05/1985	Bonnell			
	C5	US 4,735,935	04/05/1988	McAnalley <i>et al.</i>			
	C6	US 4,851,224	07/25/1989	McAnalley <i>et al.</i>			
	C7	US 4,891,226	01/02/1990	Bremecker <i>et al.</i>			
	C8	US 4,957,907	09/18/1990	McAnalley <i>et al.</i>			
	C9	US 4,959,214	09/25/1990	McAnalley <i>et al.</i>			
	C10	US 4,966,892	10/30/1990	McAnalley <i>et al.</i>			
	C11	US 4,978,528	12/18/1990	Degre			
	C12	US 5,106,616	06/02/1992	McAnalley <i>et al.</i>			
	C13	US 5,118,673	06/02/1992	Carpenter <i>et al.</i>			
	C14	US 5,122,597	06/16/1992	Barritault <i>et al.</i>			
	C15	US 5,130,418	07/14/1992	Thompson			
	C16	US 5,191,067	03/02/1993	Lappi <i>et al.</i>			
	C17	US 5,217,954	06/08/1993	Foster <i>et al.</i>			
	C18	US 5,308,838	05/03/1994	McAnalley <i>et al.</i>			
	C19	US 5,310,883	05/10/1994	Seddon <i>et al.</i>			
	C20	US 5,356,630	10/18/1994	Laurencin <i>et al.</i>			
	C21	US 5,387,415	02/07/1995	Wunderlich <i>et al.</i>			
	C22	US 5,422,340	06/06/1995	Ammann <i>et al.</i>			
	C23	US 5,441,943	08/15/1995	McAnalley <i>et al.</i>			
	C24	US 5,443,830	08/22/1995	McAnalley <i>et al.</i>			
	C25	US 5,453,492	09/26/1995	Butzow <i>et al.</i>			
	C26	US 5,464,815	11/07/1995	Chamow <i>et al.</i>			
	C27	US 5,514,652	05/07/1996	Watanuki <i>et al.</i>			
	C28	US 5,552,528	09/03/1996	Burgess <i>et al.</i>			
	C29	US 5,576,288	11/19/1996	Lappi <i>et al.</i>			
	C30	US 5,578,335	11/26/1996	Grassin <i>et al.</i>			
	C31	US 5,589,451	12/31/1996	Wilson			
	C32	US 5,604,204	02/18/1997	Ammann <i>et al.</i>			
	C33	US 5,612,211	03/18/1997	Wilson <i>et al.</i>			

Examiner Signature: 

Date Considered: 10/20/06

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BS	C34	US 5,614,496	03/25/1997	Dunstan <i>et al.</i>			
	C35	US 5,656,587	08/12/1997	Sporn <i>et al.</i>			
	C36	US 5,656,598	08/12/1997	Dunstan <i>et al.</i>			
	C37	US 5,656,734	08/12/1997	Ehrlich <i>et al.</i>			
	C38	US 5,665,870	09/09/1997	Rubin <i>et al.</i>			
	C39	US 5,690,954	11/25/1997	Illum			
	C40	US 5,693,775	12/02/1997	Nathans <i>et al.</i>			
	C41	US 5,703,047	12/30/1997	Wilson			
	C42	US 5,714,458	02/03/1998	Adami <i>et al.</i>			
	C43	US 5,753,622	05/19/1998	Buret <i>et al.</i>			
	C44	US 5,863,554	01/26/1999	Illum			
	C45	US 6,632,457	10/14/2003	Sawhney			
	C46	US 6,824,790	11/30/2004	Yatvin			
	C47	US 7,022,683	04/04/2006	Ni <i>et al.</i>			
	C48	US 2001/0043949	11/22/2001	Delgado			
	C49	US 2001/0046518	11/29/2001	Sawhney			
	C50	US 2001/0051613	12/13/2001	Illum <i>et al.</i>			
	C51	US 2001/0053359	12/20/2001	Watts <i>et al.</i>			
	C52	US 2001/0055569	12/27/2001	Davis <i>et al.</i>			
	C53	US 2002/0001610	01/03/2002	Cohen <i>et al.</i>			
	C54	US 2002/0001619	01/02/2002	Goldenberg <i>et al.</i>			
	C55	US 2002/0009438	01/24/2002	Shupe <i>et al.</i>			
	C56	US 2002/0044972	04/18/2002	Davis <i>et al.</i>			
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	C58	US 2002/0098198	07/25/2002	Watts <i>et al.</i>			
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	C60	US 2003/0039665	02/27/2003	Illum <i>et al.</i>			
	C61	US 2003/0059440	03/27/2003	Clarot <i>et al.</i>			
	C62	US 2003/0060486	03/27/2003	Jacob <i>et al.</i>			
	C63	US 2003/0068376	04/10/2003	Chen <i>et al.</i>			
	C64	US 2003/0068378	04/10/2003	Chen <i>et al.</i>			
	C65	US 2003/0077296	04/24/2003	Denton <i>et al.</i>			
	C66	US 2003/0118653	06/26/2003	Chen <i>et al.</i>			

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Date Considered 6/26/06

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PS	C67	US 2003/0138505	07/24/2003	Fischer <i>et al.</i>			
PS	C68	US 2003/0143274	07/31/2003	Viegas <i>et al.</i>			
PS	C69	US 2003/0152629	08/14/2003	Shefer <i>et al.</i>			

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Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind C-de	Date	Name	Translation Yes No
PS	C70	JP 06205687	07/26/1994	Aomori Prefecture (abstract)	X
PS	C71	JP 62255415	11/07/1987	Soda Aromatic (abstract)	X

NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
PS	C72	ASPINALL, "Pectins, Plant Gums and Other Plant Polysaccharides," <i>The Carbohydrates, Chemistry and Biochemistry</i> , Vol. IIB, edited by Pigman and Horton, published by Academic Press, pp. 515-521 (1970)
	C73	BEMILLER, "An Introduction to Pectins: Structure and Properties," <i>189th Meeting of the American Chemical Society</i> , April 28-May 3, 1985, pp. 1-12
	C74	CARDIN <i>et al.</i> , "Molecular Modeling of Protein-Glycosaminoglycan Interactions," <i>Arteriosclerosis</i> , 9(1):21-32 (January/February 1989)
	C75	CONRAD, "Heparin-Binding Proteins - Chapter 1. Heparin vs. Heparan Sulfate," <i>Academic Press</i> , pp.1-5 (1998)
	C76	CONRAD, "Heparin-Binding Proteins - Chapter 6. Heparinoid/Protein Interactions," <i>Academic Press</i> , pp.183-202 (1998)
	C77	CONRAD, "Heparin-Binding Proteins - Chapter 9. Fibroblast Growth Factors," <i>Academic Press</i> , pp. 301-349 (1998)
	C78	KOJI <i>et al.</i> , "Preparation of pectin gel bead and the drug release profiles," <i>Kobunshi Gakkai Yokoshu</i> , 47(12):3510-3511 (1998) - Copy available in Records of Patent Application No. 09/325,610
	C79	KRAVTCHENKO <i>et al.</i> , "Improvement of the Selective Depolymerization of Pectic Substances by Chemical β -Elimination in Aqueous Solution," <i>Carbohydrate Polymers</i> , 19:237-242 (1992)
	C80	MAY, "Industrial Pectins: Sources, Production, and Applications," <i>Carbohydrate Polymers</i> , 12:79-99 (1990)
	C81	MUNJERI <i>et al.</i> , "In Vivo Behavior of Hydrogel Beads Based on Amidated Pectins," <i>Drug Delivery</i> , 5(4):239-241 (1998)
	C82	OVODOVA <i>et al.</i> , "Polysaccharides of Aloe Arborenses," <i>Plenum Publishing Corporation</i> , pp. 1-2 (1976)
	C83	RADIABI <i>et al.</i> , "Structural Studies of the Glucomannan From Aloe Vahombe," <i>Carbohydrate Research</i> , pp. 160-170 (1983)
	C84	RENARD <i>et al.</i> , "Structure and Properties of Apple and Sugar-Beet Pectins Extracted by Chelating Agents," <i>Carbohydrate Research</i> , 244:99-114 (1993)
PS	C85	SCHELESSINGER <i>et al.</i> , "Regulation of Growth Factor Activation by Proteoglycans: What is the Role of the Low Affinity Receptors?" <i>Cell</i> , 83:357-360 (November 3, 1995)

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